

FT-5

T-Wing Tactical Aerial Platform



Intelligence



Reconnaissance



Battlefield surveillance



Convoying



Surveying natural disasters



Patrolling state borders & sensitive areas



Flight endurance
12 hours



High available
MTOW



Powered by 2 fixed-wing,
independent engines

Integrable with

MULTIFUNCTIONAL

Armament

SAR sensors

Electronic warfare



Real-time data

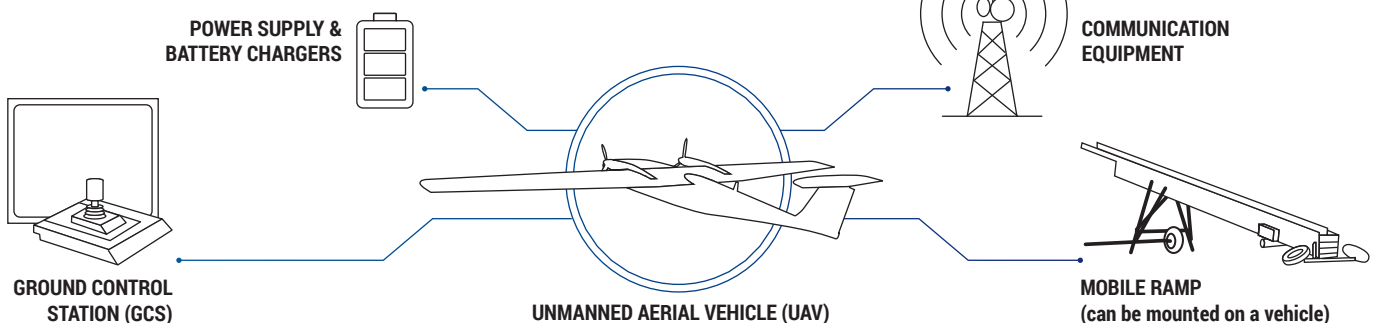


HD video feed



Autonomous

USER-FRIENDLY, MODULAR FT-5 SYSTEM SET

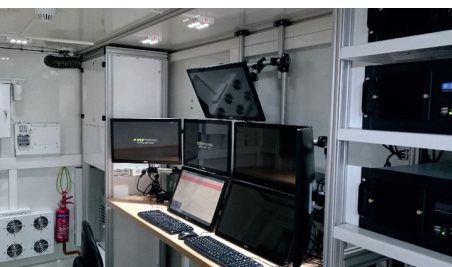




High performance observation payload

Full HD-view of stationary or moving targets with 30x optical zoom, day & night

- Gyro-stabilised in both the PAN and the TILT axes
- Full 360 degrees continuous horizontal motion & 180 degrees of vertical motion
- Full control from the ground control station
- Onboard data storage in the event of the communication loss
- Resistant to vibrations
- Advanced image stabilization
- LWIR thermal imaging camera, high resolution, cooled 640 x 480
- Laser rangefinder / laser pointer
- Real-time video transmission to multiple recipients



User-friendly & customizable ground control station

- Two redundant operator stations
- Heating & air conditioning systems
- Integrated communication systems providing contact with commander and other divisions in the field
- Weather station
- Vehicular or external antenna mast
- Can be installed in any off-road or military vehicle
- Available in various configurations according to customer's requirements

Key Specifications

Propulsion	petrol
Radio communication range	C-Band - 180km
	Satellite link
Endurance	12 hours
MTOW	90 kg
Maximum Operational Altitude	5000 m AMSL
Empty Air Vehicle weight	55 kg
Wingspan	6.4 m
Length	3.2 m

Multiple Flight Modes

Take-Off	Fully automated landing & take-off from a rapidly deployable mobile ramp (can be mounted on a vehicle)
Flight Plan	Automatic flight following pre-determined waypoints. FT-5 will move in the direction while keeping its altitude locked. Flight's plan can be modified anytime.
Semi Manual	The operator controls the flight of the UAV while the camera view is forward. In case of communication loss, this flight mode switches off.
Camera Guided	This mode enables tracking of moving targets – individuals or vehicles.
Convoying	Available with use of the mobile antenna tracker. The autopilot predicts the direction of the convoyed vehicles and adjusts the flightpath accordingly.
Return	Emergency flight mode, which enables in case of the loss of communication with the ground control station.
Landing	Initiates the landing of the UAV at a pre-determined landing point. The FT-5 can land in open area without airport infrastructure.

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